



TXI Concrete Mix with Maximizer

MATERIAL SAFETY DATA SHEET

HMIS Label

HEALTH	3*
FIRE	0
PHYSICAL HAZARD	1
PPE	X

SECTION 1 – IDENTITY

Distributed by: TXI Operations, LP
Address: 1341 W Mockingbird Lane
Dallas, TX 75247

Product Name: TXI Concrete Mix with Maximizer (TXI050)
Chemical Name: N/A
Formula: Mixture
Trade Name and Synonyms: None

Emergency Phone (Chemtrec): 800-424-9300
Outside USA: 703-527-3887
Telephone for information: Nancy Garnett
972-647-3824

Chemical Family: N/A
Common Name: N/A
MSDS prepared: August 2003

SECTION 2 – HAZARDOUS INGREDIENTS

<u>Hazardous Component</u>	<u>CAS#</u>	<u>%Typical</u>	<u>TLV (Units)</u>	<u>PEL (Units)</u>
PORTLAND CEMENT	65997-15-1	26 - 50	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
GYPSUM (CALCIUM SULFATE)	13397-24-5	0.6 - 3	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
ANHYDRITE	14798-04-0	0.4 - 2	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
LIMESTONE (CALCIUM CARBONATE)	471-34-1	2.3 - 6	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **
QUARTZ	14808-60-7	10-32	0.05 mg/m ³ *	10 mg of respirable dust/ % SiO ₂ + 2
AMORPHOUS SILICA	60676-86-0	25 - 33	0.1 mg/m ³	10 mg of respirable dust/ % SiO ₂ + 2
CALCIUM OXIDE	1305-78-8	0.5 - 1	2 mg/m ³	5 mg/m ³
ALUMINA	1344-28-1	0.15 - 11	10 mg/m ³	5 mg/m ³ * 15 mg/m ³ **

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists (ACGIH).

* Respirable fraction **Total dust

This material, if it becomes a waste, is not classified as a RCRA hazardous waste (40 CFR 261).

Contains constituents listed on the TSCA inventory.

SECTION 3 – PHYSICAL DATA

Boiling Point
N/A

Specific Gravity (H₂O=1)
1.95-2.15

Vapor Pressure (mmHg)
N/A

Percent Volatile by Volume
N/A

Percent Soluble in Water
Slight (0.1-1.0%)

Evaporation Rate (n-Butyl Acetate)
N/A

Reactivity in Water: Will not evolve flammable or toxic gases

Appearance and Odor: Fine, gray powder with pieces of light brown aggregate, no odor.

SECTION 4 – FIRE AND EXPLOSION DATA

Flash Point: N/A

Unusual Fire and Explosion Hazards: None

Extinguishing Media: Material is not combustible or flammable.

Special Fire Fighting Procedures: None

Flammable Limits in Air (% by Volume):

Lower: N/A **Upper:** N/A

Autoignition Temperature: N/A

SECTION 5 – HEALTH INFORMATION

Signs and Symptoms of Exposure

Acute Overexposure: Irritation of skin, eyes, or nasal passages. When wet, contact with the skin or eyes may result in irritation, possible severe corrosion damage, and/or alkali burns. Skin: Untreated contact may cause dermatitis and chemical burns. Inhalation: May cause coughing, sneezing, or inflammation of the respiratory passages. Ingestion: May cause blockage.

Chronic Overexposure: Excessive exposure by inhalation over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis, silicosis, and lung cancer. Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea. Hypersensitive individuals may develop allergic dermatitis.

Medical Conditions Generally Aggravated by Exposure

Respiratory disorders or diseases, dermatitis, or other skin disorders may be aggravated by exposure.

Chemical/Component Listed as Carcinogen

Quartz and Cristobalite

NTP

Yes

IARC

Yes

OSHA

No

Other Exposure Limits

NONE

Emergency & First Aid Procedures for Indicated Routes of Entry

Eyes: Rinse with copious amounts of water for 15 minutes. Seek medical assistance immediately.

Skin: Rinse with copious amounts of water for 15 minutes. Seek medical assistance if irritation develops.

Ingestion: Do not induce vomiting. Drink copious amounts of water or milk. Seek medical assistance immediately.

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult administer oxygen. Seek medical assistance immediately.

SECTION 6 – REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Handling procedures that may generate dust

Incompatibility (materials to avoid): Material is highly alkaline. Contact with strong acids may produce a violent, exothermic reaction and may evolve toxic gases or vapors, depending on the acid involved.

Hazardous Polymerization: Will not occur

Hazardous Decomposition or Combustion Products: N/A

SECTION 7 – SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Leaked or Spilled

Wear personal protective equipment to prevent skin and eye exposures. Use PPE designed to protect against alkali burns or irritation. Use respiratory protection when necessary. Recover free product. Do not disperse dusts into the air. Prevent product from entering sewer or waterways. Product may be used if not contaminated.

Waste Disposal Method

Consult federal, state and local regulations. Not classified as a hazardous waste under 40 CFR 261.

SECTION 8 – PERSONAL PROTECTION INFORMATION

Respiratory Protection

Not required under normal conditions. Select appropriate respirator based on the level of airborne contamination and presence of sufficient oxygen. Use only NIOSH/MSHA approved respirators. Follow OSHA respiratory regulations (29 CFR 1910.134) to ensure employee training and protection are adequate.

Ventilation: Use in well ventilated area. Provide general ventilation and local exhaust.

Protective Gloves: Alkali resistant gloves

Eye Protection: Close fitting safety goggles

Other Protective Clothing or Equipment: Avoid skin contact. Use protective clothing as needed to avoid skin contact such as long sleeve shirt, long pants extending over the tops of work shoes. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.132.

SECTION 9 – SPECIAL PRECAUTIONS

Precautions to be taken in Handling & Storing

Store in a cool, dry, ventilated storage area in closed containers separate from acids. Avoid breathing dust. Removal of polyethylene pallet wrap may cause an electrostatic spark; therefore, avoid removing wrap in presence of flammable vapors.

Other Precautions:

None.

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer nor preparer of the MSDS makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

9/2003 MSDS prepared by: Michele Smith, CIH, Caldwell Engineering; PO Box 851325, Richardson, TX 75085; 972-889-7200. Some information used in the generation of this MSDS was obtained from existing TXI MSDSs.